```
?show files;ds
File 348:EUROPEAN PATENTS 1978-2002/Dec W02
         (c) 2002 European Patent Office
File 349:PCT.FULLTEXT 1979-2002/UB=20021212,UT=20021205
         (c) 2002 WIPO/Univentio
File 347:JAPIO Oct 1976-2002/Aug(Updated 021203)
         (c) 2002 JPO & JAPIO
File 351:Derwent WPI 1963-2002/UD,UM &UP=200281
         (c) 2002  Thomson Derwent
File 371:French Patents 1961-2002/BOPI 200209
         (c) 2002 INPI.  All rts. reserv.

Set     Items   Description
S1         53   AU='PETIT F':AU='PETIT F P'
S2          4   AU='PETIT FREDERIC'
S3         57   S1 OR S2
S4     227923   IC=(G06F-017? OR H04K-001? OR H04K-009?)
S5          1   S3 AND S4
S6      16163   (SMART OR INTEGRATED()CIRCUIT OR JAVA OR ULTRA OR UET OR U-
             NIVERSAL()ELECTRONIC()TRANSACTION OR EAPROM OR EEPROM OR ELEC-
             TRICALLY()(ALTERABLE OR ERASABLE)(2W)PROGRAMMABLE()READ()ONLY-
             ()MEMORY OR SUBSCRIBER()IDENTITY()MODULE OR SIM)()CARD? ?
S7      17357   MICROCONTROLLER OR ISO()7816? OR SMARTCARD
S8      31921   S6 OR S7
S9          7   S3 AND (S5 OR S8)
S10         7   IDPAT (sorted in duplicate/non-duplicate order)
S11         3   IDPAT (primary/non-duplicate records only)
```

11/3,K/1 (Item 1 from file: 351)
DIALOG(R)File 351:Derwent WPI

013610256 **Image available**
WPI Acc No: 2001-094464/200111
Related WPI Acc No: 1999-388072
XRPX Acc No: N01-071653
Smart card with a business partner scheme or travel application for storing, retrieving and updating data relating to travel information of the cardholder
Patent Assignee: AMERICAN EXPRESS TRAVEL RELATED SERVICES (AMEX-N)
Inventor: HOHLE W; **PETIT F**
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
GB 2351379	A	20001227	GB 991493	A	19990122	200111	B
			GB 200010581	A	20000502		

Priority Applications (No Type Date): US 9812750 A 19980123
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
GB 2351379	A		57	G07F-007/10	Derived from application GB 991493

Smart card with a business partner scheme or travel application for storing, retrieving and updating data relating...
...Inventor: **PETIT F**

11/3,K/2 (Item 2 from file: 351)
DIALOG(R)File 351:Derwent WPI

013456210 **Image available**
WPI Acc No: 2000-628153/200060
XRPX Acc No: N00-465429
Distributed communication system for downloading information to information device, performs an acknowledgement process to produce a verifiable acknowledgement of the transferred information
Patent Assignee: AMERICAN EXPRESS TRAVEL RELATED SERVICES (AMEX-N)
Inventor: **PETIT F**
Number of Countries: 090 Number of Patents: 005
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200054208	A2	20000914	WO 2000US6251	A	20000310	200060	B
AU 200035234	A	20000928	AU 200035234	A	20000310	200067	
EP 1163623	A2	20011219	EP 2000913873	A	20000310	200206	
			WO 2000US6251	A	20000310		
EP 1163623	B1	20021016	EP 2000913873	A	20000310	200276	
			WO 2000US6251	A	20000310		
JP 2002539537	W	20021119	JP 2000604360	A	20000310	200281	
			WO 2000US6251	A	20000310		

Priority Applications (No Type Date): US 99123775 P 19990311
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200054208	A2	E	14	G06K-000/00	

Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW

AU 200035234	A	G06K-000/00	Based on patent WO 200054208	
EP 1163623	A2 E	G06K-001/00	Based on patent WO 200054208	

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI
EP 1163623 B1 E G06K-001/00 Based on patent WO 200054208
Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE
JP 2002539537 W 18 G06F-001/00 Based on patent WO 200054208

Inventor: **PETIT F**

Abstract (Basic):
... A third party (112) is used to transfer blocks of information to a **smart card** (102), such that the information blocks belong to an issuer (110). The system performs an...
... For downloading information to information device. Used for authenticating the download of information onto a **smart card** via a trusted third party...

...Provides a guarantee to the issuer that the download from the third party to the **smart card** is completed successfully, thus preventing the third party from faking a download or unintentionally failing...

... **Smart card** (102

11/3,K/3 (Item 3 from file: 351)
DIALOG(R)File 351:Derwent WPI

012581965 **Image available**
WPI Acc No: 1999-388072/199933
Related WPI Acc No: 2001-094464
XRPX Acc No: N99-290780
Personal identification smart card **with integrated travel and business partner scheme**
Patent Assignee: AMERICAN EXPRESS TRAVEL RELATED SERVICES (AMEX-N)
Inventor: HOHLE W; **PETIT F**
Number of Countries: 084 Number of Patents: 007
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
GB 2333630	A	19990728	GB 991493	A	19990122	199933	B
WO 9938129	A1	19990729	WO 99US1388	A	19990121	199937	
AU 9923362	A	19990809	AU 9923362	A	19990121	200001	
US 6101477	A	20000808	US 9812750	A	19980123	200040	
EP 1050027	A1	20001108	EP 99903308	A	19990121	200062	
			WO 99US1388	A	19990121		
JP 2002501267	W	20020115	WO 99US1388	A	19990121	200207	
			JP 2000528959	A	19990121		
AU 744984	B	20020307	AU 9923362	A	19990121	200229	

Priority Applications (No Type Date): US 9812750 A 19980123
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
GB 2333630	A		58	G07F-007/10	
WO 9938129	A1	E		G07F-007/08	

Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW

AU 9923362	A		G07F-007/08	Based on patent WO 9938129
US 6101477	A		G06F-017/60	
EP 1050027	A1	E	G07F-007/08	Based on patent WO 9938129

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE
JP 2002501267 W 64 G06K-019/00 Based on patent WO 9938129

AU 744984 B G07F-007/08 Previous Publ. patent AU 9923362
Based on patent WO 9938129

Personal identification smart card **with integrated travel and business partner scheme**
...Inventor: **PETIT F**

Abstract (Basic):
... The **smart card** is configured with external contacts to communicate with an external **smart card** data communications reader and comprises an integrated circuit disposed within the **smart card** body. The circuit contains cardholder identification applications and at least a second application for storing...
... **Smart card** communication with an external card reader enables data contained on the integrated circuit to be...

...The drawing shows a database structure arrangement in the **smart card** .

Technology Focus:
... The **smart card** apparatus is designed to comply with defined standards for **integrated circuit cards** to enable the user to utilize the card across a broad spectrum of participating outlets. The standards are **ISO 7816** -1 to ISO/IEC WD 7816-8 inclusive.
International Patent Class (Main): **G06F-017/60** ...

```
?show files;ds
File 347:JAPIO Oct 1976-2002/Aug(Updated 021203)
         (c) 2002 JPO & JAPIO
File 351:Derwent WPI 1963-2002/UD,UM &UP=200281
         (c) 2002  Thomson Derwent
File 371:French Patents 1961-2002/BOPI 200209
         (c) 2002 INPI.  All rts. reserv.

Set     Items   Description
S1      28890   (SMART OR INTEGRATED()CIRCUIT OR CHIP OR PCMCIA OR IC OR E-
             APROM OR EEPROM OR ELECTRICALLY()(ALTERABLE OR ERASABLE)(2W)P-
             ROGRAMMABLE()READ()ONLY()MEMORY OR SUBSCRIBER()IDENTITY()MODU-
             LE OR SIM OR STORED()VALUE)()CARD? ?
S2       4996   MICROCONTROLLER? ? OR ISO()7816? OR SMARTCARD? ? OR MONDEX
             OR CHIPCARD? ?
S3    1364290   VERIF? OR TEST OR TESTS OR VALIDAT? OR DETERMIN? OR CHECK?-
             ?? OR CONFIRM? OR PROVE? ? OR PROVING OR AUTHENTICAT?
S4      19244   CRYPTOGRA? OR (ELECTRONIC OR DIGITAL)()(SEAL? ? OR SIGNATU-
             RE? ? OR CERTIFICAT??? OR ENVELOPE? ?) OR ENCRYPT??? OR CIPHE-
             R? ? OR CYPHER? ? OR (PUBLIC OR PRIVATE OR SYMMETRIC OR SYNCH-
             RONOUS)()KEY? ? OR HASH
S5       3446   APPLET? ? OR PORTABLE(3W)(CODE? ? OR APPLICATION? ?) OR DI-
             GITAL()CONTENT? ? OR SERVLET? ? OR MIDLET? ? OR JAVA
S6    3013391   DOWNLOAD? ? OR UPGRADE? ? OR UPDATE? ? OR REPLACE? ? OR CH-
             ANGE? ? OR TRANSFER? OR DOWN()LOAD? ? OR UP()(GRADE? ? OR DAT-
             E? ?) OR RECEIVE? ?
S7     330822   PDA OR PERSONAL()((DATA OR DIGITAL)()ASSISTANT? ? OR DATA(-
             )ACCESS) OR PHONE? ? OR TELEPHONE? ? OR CELLPHONE? ? OR PORTA-
             BLE()INFORMATION()DEVICE? ? OR CELLULARPHONE? ? OR MOBILEPHON-
             E? ? OR HANDHELD? ? OR HAND()HELD? ?
S8      23533   HAND()HELD? ? OR PALMTOP? ? OR PALM()TOP? ? OR PID? ?
S9      33709   S1 OR S2
S10    335520   S7 OR S8
S11     40503   S3(3N)S6
S12       118   S4(10N)S5
S13         0   S11(S)S12
S14       166   S4(S)S5
S15         0   S11(S)S14
S16        22   S11(S)S5
S17         0   S9(10N)S16
S18         1   S9(S)S16
S19         3   S9 AND S16
S20         2   (S9 OR S10)(S)S16
S21         5   (S9 OR S10) AND S16
S22    213362   IC=(G06F-017? OR H04K-001? OR H04L-009?)
S23      3012   S11 AND S22
S24       105   S9 AND S23
S25         0   S12 AND S24
S26    365523   S9 OR S10
S27         5   S16 AND S26
S28      3335   S11 AND S26
S29       625   S11(10N)S26
S30        88   S22 AND S29
S31         0   S29(10N)S5
S32     22441   S4 OR S5
S33        20   S29 AND S32
S34        25   S21 OR S33
S35        25   IDPAT (sorted in duplicate/non-duplicate order)
S36        23   IDPAT (primary/non-duplicate records only)
```

36/3,K/1 (Item 1 from file: 351)
DIALOG(R)File 351:Derwent WPI

014786872 **Image available**
WPI Acc No: 2002-607578/200265
XRPX Acc No: N02-481159
Digital content data distribution system determines whether to download digital content data based on user request and storage capacity of user memory, immediately after user places order
Patent Assignee: VICTOR CO OF JAPAN (VICO); YAMAGA Y (YAMA-I)
Inventor: YAMAGA Y
Number of Countries: 003 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20020078439	A1	20020620	US 200122909	A	20011220	200265	B
CN 1360431	A	20020724	CN 2001139687	A	20011206	200269	
JP 2002251494	A	20020906	JP 2001323250	A	20011022	200274	

Priority Applications (No Type Date): JP 2001323250 A 20011022; JP 2000386541 A 20001220
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20020078439	A1		29	H04N-007/16	
CN 1360431	A			H04M-011/08	
JP 2002251494	A		26	G06F-017/60	

Digital content data distribution system determines whether to download digital content data based on user request and storage capacity of user memory, immediately after user places...

Abstract (Basic):
... Server (12) **determines** whether to **download digital content** data immediately after user places an order or later based on user request and storage capacity of user memory (101) storing the ordered **digital content** data. The server transmits the ordered **digital content** data to an order terminal (11) based on the decision.
... distributing digital content data such as music and video data through satellite, cable television (CATV), **telephone** lines and mobile **phone** and also for home delivery services for delivering information storage media such as CD, DVD...

36/3,K/2 (Item 2 from file: 351)
DIALOG(R)File 351:Derwent WPI

014706215 **Image available**
WPI Acc No: 2002-526919/200256
Related WPI Acc No: 2002-017289
XRPX Acc No: N02-417054
Digital content distribution method in airplanes, involves distributing digital content by authenticating SIM card parameter on reception of request for digital content display
Patent Assignee: LIPSANEN M (LIPS-I); SINIVAARA H (SINI-I); TALMOLA P (TALM-I)
Inventor: LIPSANEN M; SINIVAARA H; TALMOLA P
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20020059614	A1	20020516	US 99384882	A	19990827	200256	B
			US 2001999234	A	20011031		

Priority Applications (No Type Date): US 2001999234 A 20011031; US 99384882

A 19990827
Patent Details:
Patent No Kind Lan Pg Main IPC Filing Notes
US 20020059614 A1 21 H04N-007/16 CIP of application US 99384882
Digital content distribution method in airplanes, involves distributing digital content by authenticating SIM card parameter on reception of request for digital content display

Abstract (Basic):
... A **SIM card** parameter such as international mobile station identifier of a GSM system is **received** for **authentication** from a mobile multimedia terminal (MMT) (100) after reception of a request for **digital content** display such as movies, games, etc. The content is transmitted to the MMT by using...

36/3,K/3 (Item 3 from file: 351)
DIALOG(R)File 351:Derwent WPI
(c) 2002 Thomson Derwent. All rts. reserv.

014584382 **Image available**
WPI Acc No: 2002-405086/200243
Related WPI Acc No: 2002-372175
XRPX Acc No: N02-317999
Digitally signed image embodied in non-volatile memory of e.g. computer, has post-relocation image obtained by altering image of software module by symmetrical relocation function upon loading of image into memory
Patent Assignee: INTEL CORP (ITLC)
Inventor: FISH A; HALE R
Number of Countries: 097 Number of Patents: 002
Patent Family:
Patent No Kind Date Applicat No Kind Date Week
WO 200227444 A2 20020404 WO 2001US30356 A 20010927 200243 B
AU 200194839 A 20020408 AU 200194839 A 20010927 200252

Priority Applications (No Type Date): US 2000675113 A 20000929
Patent Details:
Patent No Kind Lan Pg Main IPC Filing Notes
WO 200227444 A2 E 25 G06F-001/00
Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW
AU 200194839 A G06F-001/00 Based on patent WO 200227444

Abstract (Basic):
... after loading the image into the memory component, to form a post-relocation image. A **hash** value of the image digitally signed by a **private key** of a selected signatory, is provided as **digital signature** (140) to the post-relocation image.
... desktop computer, hand-held computer, server computer, mainframe computer, serial port of the computer, cellular **telephone** , set-top box, cable box, network computer, satellite television **receiver** , etc for **verifying** the integrity of stored information loaded within the electronic device...

... **Digital signature** can be used to analyze and verify data integrity, effectively...

... **Digital signature** (140

36/3,K/4 (Item 4 from file: 351)

DIALOG(R)File 351:Derwent WPI
(c) 2002 Thomson Derwent. All rts. reserv.

014553541 **Image available**
WPI Acc No: 2002-374244/200241
XRPX Acc No: N02-292563
IP data transfer authentication **facilitating method for use in mobile** telephone **, involves generating public-** private key **pair and certificate which are stored on SIM card and connecting card to terminal for authentication**
Patent Assignee: TELEFONAKTIEBOLAGET ERICSSON L M (TELF)
Inventor: AHONEN P; ARKKO J; TURTIAINEN E
Number of Countries: 100 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
GB 2366141	A	20020227	GB 20013131	A	20010208	200241	B
WO 200271723	A1	20020912	WO 2002EP509	A	20020117	200270	

Priority Applications (No Type Date): GB 20013131 A 20010208
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
GB 2366141	A		17	H04Q-007/38	
WO 200271723	A1	E		H04L-029/06	

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZM ZW

IP data transfer authentication **facilitating method for use in mobile** telephone **, involves generating public-** private key **pair and certificate which are stored on SIM card and connecting card to terminal for...**

Abstract (Basic):
... For facilitating **authentication** of IP data **transfer** between terminal such as mobile **telephones , PDA** , communicator, laptop or **palmtop** computer, etc., and network node through radio access network (RAN...

36/3,K/5 (Item 5 from file: 351)
DIALOG(R)File 351:Derwent WPI
(c) 2002 Thomson Derwent. All rts. reserv.

014156521 **Image available**
WPI Acc No: 2001-640749/200174
XRPX Acc No: N01-479095
User authentication for performing common encryption **, has an integrated circuit (IC) card and authentication apparatus eg portable telephone to perform authentication using common key**
Patent Assignee: SONY CORP (SONY); ITABASHI T (ITAB-I); NAKANO T (NAKA-I)
Inventor: ITABASHI T; NAKANO T
Number of Countries: 029 Number of Patents: 004
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 1150452	A2	20011031	EP 2001109929	A	20010424	200174	B
JP 2001313636	A	20011109	JP 2000131872	A	20000428	200207	
CN 1323114	A	20011121	CN 2001122111	A	20010428	200218	
US 20020032858	A1	20020314	US 2001846522	A	20010430	200222	

Priority Applications (No Type Date): JP 2000131872 A 20000428
Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes
EP 1150452 A2 E 33 H04L-009/32
  Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR
JP 2001313636 A 14 H04L-009/32
CN 1323114 A H04L-009/00
US 20020032858 A1 H04L-009/32

User authentication for performing common encryption **, has an integrated circuit (IC) card and authentication apparatus eg portable telephone to perform authentication...**

Abstract (Basic):
... card and the unit which will perform information processing for authenticating the information using the **private key** corresponding to the user.
... When the **IC card** (8) **receives** the **IC - card authentication** request command, the **IC card** authenticate (decrypts) the common-key- **encrypted** information by the common key stored in the EEPROM provided inside, and sends the result of authentication to the security server (6) through the **encryption** module...

...It improves safety and speed for authentication by using the public and common-key **encryption** method...
...Title Terms: **ENCRYPTION** ;

36/3,K/6 (Item 6 from file: 351)
DIALOG(R)File 351:Derwent WPI

014050347
WPI Acc No: 2001-534560/200159
XRPX Acc No: N01-396771
Process and device of the joint defense positioning system - can provide users with joint defense rescue when they are out
Patent Assignee: CHWAN JHE ENTERPRISE CO LTD (CHWA-N)
Inventor: LI B; WANG D
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No Kind Date Applicat No Kind Date Week
TW 410320 A 20001101 TW 99107706 A 19990512 200159 B

Priority Applications (No Type Date): TW 99107706 A 19990512
Patent Details:
Patent No Kind Lan Pg Main IPC Filing Notes
TW 410320 A G08B-025/00

Abstract (Basic):
... different locations. Each positioner is equiped with a transmitter which is able to transmit default **cipher** signal stored in the telephone exchange it belongs to. When a transmitter launches a signal...

...its belonging area, the signal is received and taken over by the closest positioner. The **telephone** exchange which **receives** the signal would **determine** the location of the transmitter which launchs the signal. The two telephone exchanges in different areas will connect to each other and check the **cipher** . If the **cipher** is correct, the closest positioner from the location of the signal would start the warning...

36/3,K/7 (Item 7 from file: 351)
DIALOG(R)File 351:Derwent WPI

(c) 2002 Thomson Derwent. All rts. reserv.

013843521 **Image available**
WPI Acc No: 2001-327734/200134
XRPX Acc No: N01-235796
Object transferring method e.g. for Java Beans between network connected computers, involves setting Java Archive commit flag while storing Java Bean for automatic re initialization of storing during power off
Patent Assignee: WIND RIVER INT INC (WIND-N); AUDESI TECHNOLOGY INC (AUDE-N)
Inventor: DICK G; MARYKA S; MICHAUD B
Number of Countries: 093 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200077679	A2	20001221	WO 2000CA706	A	20000614	200134	B
AU 200053818	A	20010102	AU 200053818	A	20000614	200134	

Priority Applications (No Type Date): US 99332069 A 19990614
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200077679	A2	E	22	G06F-017/30	

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TZ UG ZW

AU 200053818	A		G06F-017/30	Based on patent WO 200077679

Abstract (Basic):
... The required **Java** Bean for **transfer** is **determined** after interrogation process, based on configuration information, and packed into **Java** Archive which is then transferred to RAM. A **Java** Archive commit flag is set during storing **Java** Bean in RAM so that when any power cut-off occurs, automatic re initialization of...
... g. Java Beans between computer connected in network such as client-server network and screen **phones** , mobile **phone** , **personal digital assistant** and **smart cards** .

36/3,K/8 (Item 8 from file: 351)
DIALOG(R)File 351:Derwent WPI
(c) 2002 Thomson Derwent. All rts. reserv.

013577801 **Image available**
WPI Acc No: 2001-062008/200108
XRPX Acc No: N01-046520
Transponder for data communication such as radio-wave tag or IC card ; checks **key signal** received **from interrogator against key signals stored in transponder**
Patent Assignee: ROHM CO LTD (ROHL)
Inventor: HIKITA J; IKEFUJI Y; TAGUCHI H
Number of Countries: 003 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
AU 200019491	A	20000831	AU 200019491	A	20000225	200108	B
JP 2000252854	A	20000914	JP 9949678	A	19990226	200108	
GB 2350021	A	20001115	GB 20004575	A	20000225	200108	

Priority Applications (No Type Date): JP 9949678 A 19990226
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
AU 200019491	A		42	G01S-013/74	
JP 2000252854	A		13	H04B-001/59	

GB 2350021 A H04L-009/32
Transponder for data communication such as radio-wave tag or IC card ; checks **key signal** received **from interrogator against key signals stored in transponder**

Abstract (Basic):
... Offers higher security by permitting **cipher** keys, used to permit the use of memory areas secured within an IC card, to...

36/3,K/9 (Item 9 from file: 351)
DIALOG(R)File 351:Derwent WPI
(c) 2002 Thomson Derwent. All rts. reserv.

013184863 **Image available**
WPI Acc No: 2000-356736/200031
XRPX Acc No: N00-267840
Circuit connection authentication device for telephone **terminal connection apparatus, has comparator which** checks received encryption **data with stored data and authenticates connection of required terminal**
Patent Assignee: HITACHI LTD (HITA)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2000115349	A	20000421	JP 98285009	A	19981007	200031	B

Priority Applications (No Type Date): JP 98285009 A 19981007
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2000115349	A		11	H04M-001/57	

Circuit connection authentication device for telephone **terminal connection apparatus, has comparator which** checks received encryption **data with stored data and authenticates connection of required terminal**

Abstract (Basic):
... The **encryption** data from calling side is received and stored. An **encryption** comparator (5) compares if received **encryption** data coincides with prestored data. Only if there is coincidence, the authentication device (1) authenticates...
... person or apparatus which is to be connected to the circuit is checked using an **encryption** comparator, correctly recognized connection to required terminal is performed reliably...

... **Encryption** comparator (5
...Title Terms: **ENCRYPTION** ;

36/3,K/10 (Item 10 from file: 351)
DIALOG(R)File 351:Derwent WPI
(c) 2002 Thomson Derwent. All rts. reserv.

012961149 **Image available**
WPI Acc No: 2000-132999/200012
XRPX Acc No: N00-100760
Pay channel program receiving control procedure for video broadcast system - involves authenticating prepaid card and stores relevant information in memory of PCMCIA card
Patent Assignee: TOSHIBA KK (TOKE)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2000004430	A	20000107	JP 98170209	A	1998061	200012	B

Priority Applications (No Type Date): JP 98170209 A 19980617
Patent Details:
Patent No Kind Lan Pg Main IPC Filing Notes
JP 2000004430 A 10 H04N-007/16

...Abstract (Basic): authentication of the prepaid card (15) by the broadcast stations (101,102), card information is **encrypted** . The **encryption** communication **authentication** unit (26) of **receiver authenticates** the card and store the information in memory (23) of **PCMCIA card** (7). On judging suitable authentication, the program fee is detected from the balance amount. DETAILED...

36/3,K/11 (Item 11 from file: 351)
DIALOG(R)File 351:Derwent WPI
(c) 2002 Thomson Derwent. All rts. reserv.

012933911 **Image available**
WPI Acc No: 2000-105758/200009
Related WPI Acc No: 1999-444261; 2000-106431
XRPX Acc No: N00-081236
Information leakage prevention device for smart cards and other cryptosystems
Patent Assignee: CRYPTOGRAPHY RES INC (CRYP-N); JAFFE J M (JAFF-I); JUN B C (JUNB-I); KOCHER P C (KOCH-I)
Inventor: JAFFE J M; JUN B C; KOCHER P C
Number of Countries: 084 Number of Patents: 005
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9963696	A1	19991209	WO 99US12565	A	19990603	200009 B
AU 9952038	A	19991220	AU 9952038	A	19990603	200021
EP 1084543	A1	20010321	EP 99937153	A	19990603	200117
			WO 99US12565	A	19990603	
US 6327661	B1	20011204	US 9887880	A	19980603	200203
			US 99326222	A	19990603	
US 20020124178	A1	20020905	US 9870344	A	19980102	200260
			US 9887826	A	19980603	
			US 9887880	A	19980603	
			US 9889529	A	19980615	
			US 98224682	A	19981231	
			US 99324798	A	19990603	
			US 99326222	A	19990603	
			US 2000737182	A	20001213	
			US 2001930836	A	20010815	
			US 20015105	A	20011203	

Priority Applications (No Type Date): US 9887880 P 19980603; US 99326222 A 19990603; US 9870344 P 19980102; US 9887826 P 19980603; US 9889529 P 19980615; US 98224682 A 19981231; US 99324798 A 19990603; US 2000737182 A 20001213; US 2001930836 A 20010815; US 20015105 A 20011203
Patent Details:
Patent No Kind Lan Pg Main IPC Filing Notes
WO 9963696 A1 E 34 H04K-001/00
Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ UG ZW
AU 9952038 A H04K-001/00 Based on patent WO 9963696
EP 1084543 A1 E H04K-001/00 Based on patent WO 9963696
Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE
US 6327661 B1 G06F-012/14 Provisional application US 9887880

US 20020124178 A1 G06F-012/14 Provisional application US 9870344

Provisional application US 9887826
Provisional application US 9887880
Provisional application US 9889529
Div ex application US 98224682
Cont of application US 99324798
CIP of application US 99326222
CIP of application US 2000737182
CIP of application US 2001930836
Cont of patent US 6278783
Div ex patent US 6304658
CIP of patent US 6327661
CIP of patent US 6381699

Abstract (Basic):
... A processor is connected to an interface (210) for **cryptographically** processing the quantity received by an input interface. The processor uses unpredictable information to conceal...
... An interface (210) receives the quantity to be **cryptographically** processed. An information source produces unpredictable information. The interface (210) outputs the **cryptographically** processed quantity to a recipient. An INDEPENDENT CLAIM is also included for the method for...

...For preventing information leakage from smart cards, **cryptographic** tokens, stored value cards and system, credit and debit cards, customer royalty cards, **cryptographic** accelerator, gambling and wagering system, **cryptographic** chips, tamper-resistant microprocessor, **cryptographic** PCMCIA cards for key management devices, banking pay management systems, secure web servers, electronic payment systems, micropayment systems and meters, prepaid **telephone** cards, identity **verification** systems, electronic funds **transfer** system, automatic teller machines, point of sale terminals, certificate issuance systems, electronic badges, door entry systems, physical locks using **cryptographic** keys, systems for decrypting television signals e.g. broadcast television, satellite television, cable television, systems ...

...copy protection systems, cellular telephone scrambling and authentication systems, key storage device for telephones and **cryptographic** data auditing systems...

36/3,K/12 (Item 12 from file: 351)
DIALOG(R)File 351:Derwent WPI
(c) 2002 Thomson Derwent. All rts. reserv.

012652669 **Image available**
WPI Acc No: 1999-458774/199938
XRPX Acc No: N99-343172
Cellular-phone-unique- encryption **key dynamic updating method for cellular phone network**
Patent Assignee: DSC TELECOM LP (DSCT-N)
Inventor: MILLS K M
Number of Countries: 022 Number of Patents: 004
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9938288	A1	19990729	WO 99US2066	A	19990127	199938	B
US 5991405	A	19991123	US 9814121	A	19980127	200002	
EP 1051820	A1	20001115	EP 99905566	A	19990127	200059	
			WO 99US2066	A	19990127		
CN 1291390	A	20010411	CN 99803224	A	19990127	200140	

Priority Applications (No Type Date): US 9814121 A 19980127

Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
WO 9938288   A1 E 32 H04L-009/16
   Designated States (National): CN JP KR
   Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU
   MC NL PT SE
US 5991405   A   H04L-009/32
EP 1051820   A1 E   H04L-009/16   Based on patent WO 9938288
   Designated States (Regional): DE ES FR GB IT SE
CN 1291390   A   H04L-009/16

Cellular-phone-unique- encryption **key dynamic updating method for cellular phone network**

Abstract (Basic):
... A new, common **encryption** key is calculated independently in the cellular phone (1) and an associated home location register...

...of a number-manipulating algorithm using a shared secret random data (102) and the prestored **encryption** key, while the other by means of another number-manipulating algorithm using an independently calculated random data and the **encryption** key.
... HLR by means of another number-manipulating algorithm using a random number (101) and the **encryption** key. A message including the random number and random data is transmitted from the phone...
...the first calculation, by means of another number-manipulating algorithm using the random number and **encryption** key...

...Prevents fraudulent use of cellular phones since the new **encryption** key independently calculated by cellular phone and HLR is not transmitted during updating process, thereby eliminating possibility of new **encryption** key being intercepted by unauthorized parties during transmission. Does not require transmission of updated **encryption** keys between cellular **phone** and associated central processing facility or HLR for **verification** . Requires no protocol **change** in existing cellular **telephone** network...
...Title Terms: **ENCRYPTION** ;

36/3,K/13 (Item 13 from file: 351)
DIALOG(R)File 351:Derwent WPI
(c) 2002 Thomson Derwent. All rts. reserv.

012408259 **Image available**
WPI Acc No: 1999-214367/199918
XRPX Acc No: N99-157770
Cellular telephone authentication system for cellular communication network
Patent Assignee: PITNEY BOWES INC (PITB)
Inventor: ROSENBERG N; RYAN F W
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No Kind Date Applicat No Kind Date Week
US 5884158 A 19990316 US 96730388 A 19961015 199918 B

Priority Applications (No Type Date): US 96730388 A 19961015
Patent Details:
Patent No Kind Lan Pg Main IPC Filing Notes
US 5884158 A 9 H04Q-001/39

Abstract (Basic):
... A cellular **telephone** generates an **authentication** signal which is **received** by a base station. At the remote base station portions of the authentication signal are...
...to determine if the specific portions of the signal are previously used

for authorization. After **cryptographic** verification of the signal and its portions, cellular telephone is connected to the network.
... **Digital signature** is used to make it more difficult to make unauthorized cellular telephone calls. Transmission of

36/3,K/14 (Item 14 from file: 351)
DIALOG(R)File 351:Derwent WPI
(c) 2002 Thomson Derwent. All rts. reserv.

011935739 **Image available**
WPI Acc No: 1998-352649/199831
XRPX Acc No: N98-275775
Toll receiving system for toll road - has CPU which uses first system or second system to process data, received from IC card **, when correctness of** received **data is** confirmed **or not confirmed respectively**
Patent Assignee: TOSHIBA KK (TOKE)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 10134214	A	19980522	JP 96290616	A	19961031	199831	B

Priority Applications (No Type Date): JP 96290616 A 19961031
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 10134214	A		12	G07B-015/00	

... **has CPU which uses first system or second system to process data, received from** IC card **, when correctness of** received **data is** confirmed **or not confirmed respectively**

...Abstract (Basic): The OBU has a transmitting unit which sends data to the IC card by using **encrypted** key...

36/3,K/15 (Item 15 from file: 351)
DIALOG(R)File 351:Derwent WPI
(c) 2002 Thomson Derwent. All rts. reserv.

011806654 **Image available**
WPI Acc No: 1998-223564/199820
XRPX Acc No: N98-177420
IC card management system - provides discrimination part in IC card, which distinguishes whether received encrypted **data is** encrypted **according to** encrypted **algorithm or not**
Patent Assignee: NEC CORP (NIDE)
Number of Countries: 001 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 10065663	A	19980306	JP 96217113	A	19960819	199820	B
JP 2996182	B2	19991227	JP 96217113	A	19960819	200006	

Priority Applications (No Type Date): JP 96217113 A 19960819
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 10065663	A		7	H04L-009/32	
JP 2996182	B2		7	H04L-009/14	Previous Publ. patent JP 10065663

... **provides discrimination part in IC card, which distinguishes whether received** encrypted **data is** encrypted **according to** encrypted **algorithm or not**

...Abstract (Basic): 3,8) are provided in the respective IC card and external device, which register several **encrypted** algorithms or

secrete key words used for **encrypting** data for transmission. A first encipherment data generator and first decoder are provided in the IC card, which respectively **encrypt** transmission data and decrypt received data. A first data memory (4) is provided, in which **encrypted** data received from the external device is stored. The IC card **encrypts** the transmission data with an **encrypted** algorithm and also **encrypts** the data for discrimination and transmits it to the external device. The external device receives...

...transmitted from the IC card and registers it in a second data memory (9). The **encrypted** data for discrimination is decrypted with a second decoding part...

...A second discrimination part **checks** whether the data **received** from the **IC card** is **encrypted** according to decrypted, **encrypted** algorithm or not, by comparing the data for discrimination with decrypted data. At the time of transmission, the external device **encrypts** the data for transmission with a second encipherment generation part, using one of the algorithms stored in its second memory. The external device transmits the **encrypted** data for transmission, decoded **encrypted** algorithm used for **encrypting** transmission data, and **encrypted** data for discrimination. The IC card receives the data transmitted from the external device and registers it in the first data memory. The first decoder decrypts the received **encrypted** data for transmission. A first discrimination part, discriminates whether the received **encrypted** data is **encrypted** according to algorithm or not, by comparing decoded data for discrimination with received **encrypted** data...

...between external device and IC card. Enables IC card and external device to arbitrarily select **encrypted** algorithms...
...Title Terms: **ENCRYPTION** ;

36/3,K/16 (Item 16 from file: 351)
DIALOG(R)File 351:Derwent WPI
(c) 2002 Thomson Derwent. All rts. reserv.

011130645 **Image available**
WPI Acc No: 1997-108569/199710
Related WPI Acc No: 1997-525974
XRPX Acc No: N97-089872
Analogue message authentication method esp. using digital signature - **combining digital message signal, computed digest signature and sender's** public key **into composite signal which is then converted to analogue form and transmitted to receiver**
Patent Assignee: IBM CORP (IBMC)
Inventor: BENNETT C H; LINSKER R
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 5598473	A	19970128	US 94292155	A	19940817	199710	B

Priority Applications (No Type Date): US 94292155 A 19940817
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5598473	A		10	H04L-009/30	

Analogue message authentication method esp. using digital signature - ...

...**combining digital message signal, computed digest signature and sender's** public key **into composite signal which is then converted to analogue form and transmitted to receiver**

...Abstract (Basic): The digest signature is then computed using the first image digest and the sender's **private key** . The digital message signal, the computed digest signature and the sender's **public key** are combined to form a composite digital message. This composite digital message is then converted...

...At the receiving end the analogue signal is decomposed and the sender's **public key** is recovered and validated. The recovered digest signature is then decoded to yield a reconstructed image digest, using the **public key** . A second image digest is computed from the recovered digital message signal and compared with...

...USE/ADVANTAGE - E.g. for documents transmitted between facsimile machines by analogue **telephone** line. Enables **receiver** to **verify** that **received** document comes from purported sender and has not been altered enroute...

36/3,K/17 (Item 17 from file: 351)
DIALOG(R)File 351:Derwent WPI
(c) 2002 Thomson Derwent. All rts. reserv.

009814105 **Image available**
WPI Acc No: 1994-093961/199412
Related WPI Acc No: 1998-401094; 1998-401095
XRPX Acc No: N94-073708

Settlement of charges by IC card which are used as prepaid cards of credit cards - involves transmitting information corresp to current remainder value to IC card **terminal which makes** check **to see if** received **information is appropriate**

Patent Assignee: NIPPON TELEGRAPH & TELEPHONE CORP (NITE)
Inventor: FUJIOKA A; ISHIGURO G; MIYAGUCHI S; MUTA T; OKAMOTO T; SAKITA K
Number of Countries: 005 Number of Patents: 011
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 588339	A2	19940323	EP 93114917	A	19930916	199412 B
US 5396558	A	19950307	US 93119850	A	19930913	199515
US 5446796	A	19950829	US 93119850	A	19930913	199540
			US 94331735	A	19941031	
EP 588339	A3	19950524	EP 93114917	A	19930916	199546
US 5502765	A	19960326	US 93119850	A	19930913	199618
			US 94331745	A	19941031	
EP 588339	B1	19981209	EP 93114917	A	19930916	199902
			EP 98104503	A	19930916	
			EP 98104504	A	19930916	
DE 69322463	E	19990121	DE 622463	A	19930916	199909
			EP 93114917	A	19930916	
JP 3080202	B2	20000821	JP 92308688	A	19921118	200043
JP 3082882	B2	20000828	JP 92249293	A	19920918	200044
JP 3082883	B2	20000828	JP 92249294	A	19920918	200044
JP 3085334	B2	20000904	JP 92317254	A	19921126	200045

Priority Applications (No Type Date): JP 92317255 A 19921126; JP 92249293 A 19920918; JP 92249294 A 19920918; JP 92308688 A 19921118; JP 92317254 A 19921126

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 588339	A2	E	41	G07F-007/10	
Designated States (Regional): DE FR GB					
US 5396558	A		33	H04L-009/30	
US 5446796	A		32	H04L-009/30	Div ex application US 93119850
					Div ex patent US 5396558
EP 588339	A3			G07F-007/10	
US 5502765	A		31	H04L-009/30	Div ex application US 93119850
					Div ex patent US 5396558

EP 588339 B1 E G07F-007/10 Related to application EP 98104503
Related to application EP 98104504
Related to patent EP 856821
Related to patent EP 856822
Designated States (Regional): DE FR GB
DE 69322463 E G07F-007/10 Based on patent EP 588339
JP 3080202 B2 10 G06K-019/10 Previous Publ. patent JP 6162289
JP 3082882 B2 5 G06K-017/00 Previous Publ. patent JP 6103425
JP 3082883 B2 12 G06K-017/00 Previous Publ. patent JP 6103426
JP 3085334 B2 9 G06K-017/00 Previous Publ. patent JP 6162287

... **involves transmitting information corresp to current remainder value to** IC card **terminal which makes** check **to see if** received **information is appropriate**

...Abstract (Basic): The method involves transmitting card **public key** , card identification number and master **digital signature** to IC card terminal. the terminal verifies the signature and if it is valid, transmits the terminal **public key** , the terminal identification number and the second master **digital signature** to the IC card. If the second master **digital signature** is valid, information corresp. to the current remaining value is transmitted to the terminal...

...completion of the service, the terminal creates an updated remaining value and generates a terminal **digital signature** for information including the updated new remaining value and than transmits the terminal signature to the IC card together with the updated remaining value. The IC card verifies the terminal **digital signature** .

...Abstract (Equivalent): having terminal information memory means into which are written from said management center a master **public key** nA for verifying a master **digital signature** SA created by said management center by use of master keys pA and qA, terminal secret keys pT and qT for enabling said IC card terminal to create a **digital signature** , a terminal **public key** nT for verifying said **digital signature** created by said IC card terminal, a terminal identification number IDT and a second master **digital signature** SA2 created by use of said master keys pA and qA for information including said terminal identification number IDT and said terminal **public key** nT, said IC card having card information memory means into which are written from said management center said master **public key** nA, card secret keys pU and qU for enabling said IC card to create a **digital signature** , a card **public key** nU for verifying said **digital signature** created by said IC card, a card identification number IDU, a first master **digital signature** SA1 created by use of said master keys pA and qA for information including said card identification number IDU and said card **public key** nU, amount value information V and a third master **digital signature** SA3 for information including said amount value information V and said card identification number IDU...

...a step wherein said IC card transmits said card **public key** nU, said card identification number IDU and said first master **digital signature** SA1 to said IC card terminal...

...a step wherein said IC card terminal verifies said first master **digital signature** SA1 received from said IC card and, if it is valid, transmits an authentication notice...

...a step wherein said IC card creates a card **digital signature** SU for information including said amount value information V by use of said card secret keys pU and qU, and transmits said amount value information V and said card **digital signature** SU to said IC card terminal upon receiving said authentication notice from said IC card...

...a step wherein said IC card terminal verifies said card **digital signature** SU received from said IC card by use of said card **public**

key nU and, if said amount value information V received from said IC card is correct...

...for said service is subtracted from said amount value V and also creates a terminal **digital signature** ST for information including said updated remaining amount value V' and said card identification number ...

...a step wherein said IC card terminal transmits said terminal **digital signature** ST, said updated remaining amount value V', said second master **digital signature** SA2, said terminal **public key** nT and said terminal identification number IDT to said IC card; anda step wherein said IC card verifies said second master **digital signature** SA2 and said terminal **digital signature** ST received from said IC card terminal by use of said master **public key** nA and said terminal **public key** nT, respectively, and, if they are valid, stores said updated remaining amount value V' in...

...method involves using an IC card having a card information memory area storing a master **public key** nA, card secret keys pU and qU, a card **public key** nU, a card identification number IDU, and a first master **digital signature** SA1 including the card identification number. An IC card terminal has a memory area storing a master **public key** nA, terminal secret keys pT and qT, a terminal **public key** nT, a terminal identification number IDT, and a second master **digital signature** SA2 for information including the terminal identification number IDT...

...IC card sends the data nU, IDU, and SA1. The IC card terminal verifies the **digital signature** SA1 by the master **public key** nA and, if it is valid, transmits the data nT, IDT and SA2 to the IC card. The IC card verifies the **digital signature** SA2 by the master **public key** nA and, if it is valid, transmits information corresponding to the current remainder value V...use of an IC card involves a step where the IC card transmits a card **public key** nU, card identification number IDU and first master **digital signature** SA1 to an IC card terminal. The IC card terminal verifies the signature and, if it is valid, transmits the terminal **public key** nT, terminal identification number IDT and second master **digital signature** SA2 to the IC card. The IC card verifies the second signature and, if it...

...of the service, the terminal creates an updated remaining value V' and generates a terminal **digital signature** ST for information including V' and then transmits it to the card together with V'. The card verifies the terminal **digital signature** ST receipt...

36/3,K/18 (Item 18 from file: 351)
DIALOG(R)File 351:Derwent WPI
(c) 2002 Thomson Derwent. All rts. reserv.

009307109 **Image available**
WPI Acc No: 1993-000545/199301
XRPX Acc No: N93-000219
Protecting crèdit balance stored in chip-card - using certificate generated by particular party to validate **balance** transferred **from** chip - card **to debit-card point**
Patent Assignee: SIEMENS AG (SIEI)
Inventor: HUESKE T; PFAU A
Number of Countries: 001 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
DE 4119924	A1	19921224	DE 4119924	A	19910617	199301	B
DE 4119924	C2	19940217	DE 4119924	A	19910617	199407	

Priority Applications (No Type Date): DE 4119924 A 19910617
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 4119924	A1		22	G06F-015/30	
DE 4119924	C2		22	G06F-012/14	

... **using certificate generated by particular party to** validate **balance** transferred **from** chip - card **to debit-card point**

...Abstract (Equivalent): DATA, Message Authorisation Code (MAC), Credit Level (GUT) and a certificate (CER), which is an **encrypted** sequence derived from a key and Credit Level (GUT...

36/3,K/19 (Item 19 from file: 347)
DIALOG(R)File 347:JAPIO

06990701 **Image available**
FILE TRANSFER SYSTEM INTER-PORTABLE TERMINALS

PUB. NO.: 2001-218277 [JP 2001218277 A]
PUBLISHED: August 10, 2001 (20010810)
INVENTOR(s): MOCHIZUKI YASUYUKI
MIZUGUCHI TAKENAO
OTANI HARUYUKI
KINO SHIGENORI
APPLICANT(s): MITSUBISHI ELECTRIC CORP
APPL. NO.: 2000-077960 [JP 200077960]
FILED: March 21, 2000 (20000321)
PRIORITY: 11-330759 [JP 99330759], JP (Japan), November 22, 1999 (19991122)

ABSTRACT

...server.

SOLUTION: The file transfer system between portable terminals consists of a transmitter side portable **phone** terminal, that has a portable information terminal side like transmission application means that requests object file information of a portable information terminal in pairs with the transmitter side portable **phone** terminal and connected at near distance and provides an output, transmits a selection input to a file reception application of a receiver side portable **phone** terminal, and transfers the object file corresponding to the file transfer reception from the receiver side portable **phone** terminal, of the receiver side portable **phone** terminal that is provided with an entry means and a display means, and a **portable phone** file reception **application** means that receives and outputs the transfer of object file information from the transmitter side portable information terminal, **receiver** a **confirmation** entry and requests the transfer of the object file to the transmitter portable information terminal...

36/3,K/20 (Item 20 from file: 347)
DIALOG(R)File 347:JAPIO

06932544 **Image available**
IC CARD, IC CARD READER AND IC CARD SYSTEM

PUB. NO.: 2001-160085 [JP 2001160085 A]
PUBLISHED: June 12, 2001 (20010612)
INVENTOR(s): ICHIHARA NAOHISA
HOSHIKAWA TOMOYUKI
APPLICANT(s): NTT DATA CORP

APPL. NO.: 11-342739 [JP 99342739]
FILED: December 02, 1999 (19991202)

ABSTRACT

...card R/W 13 enciphers the original data 3 into a code X by a **cipher** function g and a key kg, generates random numbers r1 and r2 by a random...

...the code X and enciphers the added code X by a key Kf and a **cipher** function f to send it to an **IC card** 5 as an authentication command. A card 5 decodes the **received authentication** command by the key Kf and the function f and takes out the code X...

36/3,K/21 (Item 21 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2002 JPO & JAPIO. All rts. reserv.

06473782 **Image available**
CLOSED AREA GROUP COMMUNICATION SYSTEM, MANAGEMENT SERVER SYSTEM, COMMUNICATION TERMINAL AND THEIR PROGRAM STORAGE MEDIUM

PUB. NO.: 2000-059357 [JP 2000059357 A]
PUBLISHED: February 25, 2000 (20000225)
INVENTOR(s): OKA KATSUYA
CHITOKU SHINYA
SAIJO TOMOYUKI
ONO HIROYASU
APPLICANT(s): NIPPON TELEGR & TELEPH CORP (NTT)
APPL. NO.: 10-224079 [JP 98224079]
FILED: August 07, 1998 (19980807)

ABSTRACT

... an IC card 7 (A-D) is distributed to all the users. Furthermore, an authentication/ **encryption** software and an IC card reader are provided to all terminals 1-4 on the...

...the unit of the user Ids and each user when using the network uses the **IC card** of the terminal and the user ID/password to **receive** the **authentication** by the management server 5. In this case, the management server 5 registers the IP...

36/3,K/22 (Item 22 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2002 JPO & JAPIO. All rts. reserv.

06403611 **Image available**
METHOD AND SYSTEM FOR MANAGING APPLICATION FOR MULTI-FUNCTION **SMART CARD**

PUB. NO.: 11-345266 [JP 11345266 A]
PUBLISHED: December 14, 1999 (19991214)
INVENTOR(s): PAN JACK C
GUZMAN MARC A
BOYD NIK
SMUSHKOVICH YOSIF
PINN FRED
APPLICANT(s): CITICORP DEV CENTER INC
APPL. NO.: 11-085526 [JP 9985526]
FILED: March 29, 1999 (19990329)
PRIORITY: 60-79803 [US 79803], US (United States of America), March 30, 1998 (19980330)

METHOD AND SYSTEM FOR MANAGING APPLICATION FOR MULTI-FUNCTION **SMART CARD**

ABSTRACT

... easily access financing and other services by installing a monitor application on a master card, **authenticating** **download** of a new application and downloading the new application to the master card.

SOLUTION: A card owner 24 selects one **applet** from an **applet** list. When a monitor application for the selected **applet** does not exist on a card 2, a new **applet** is downloaded from an **applet** server in an electronic customized depot 26. When the new monitor application is added to...

... plural necessary keys obtained from a security server in the depot 26. And, the selected **applet** is downloaded from the **applet** server and is installed by using a security mechanism of the monitor application and, e ...

36/3,K/23 (Item 23 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2002 JPO & JAPIO. All rts. reserv.

06168807 **Image available**
SERVER AND STORAGE MEDIUM RECORDING PROGRAM

PUB. NO.: 11-110354 [JP 11110354 A]
PUBLISHED: April 23, 1999 (19990423)
INVENTOR(s): ONO YASUMASA
APPLICANT(s): NISSIN ELECTRIC CO LTD
APPL. NO.: 09-264620 [JP 97264620]
FILED: September 29, 1997 (19970929)

ABSTRACT

... access server 4 can simultaneously be connected to both an internet 31 and a public **telephone** circuit network 32. When the server 4 **receives** an **authentication** request from an external terminal 33 by direct communication through the network 32, it authenticates the terminal 33 and also transmits a key of **cryptograph** through the safe direct communication. The terminal 33 is connected to the server 4 through...

...31 after disconnecting the direct communication and data is exchanged by using the key of **cryptograph** . When it receives an authentication request from other external terminals 33 during the connection with...

```
?show files;ds
File   2:INSPEC 1969-2002/Dec W3
         (c) 2002 Institution of Electrical Engineers
File  35:Dissertation Abs Online 1861-2002/Nov
         (c) 2002 ProQuest Info&Learning
File  65:Inside Conferences 1993-2002/Dec W3
         (c) 2002 BLDSC all rts. reserv.
File  99:Wilson Appl. Sci & Tech Abs 1983-2002/Nov
         (c) 2002 The HW Wilson Co.
File 233:Internet & Personal Comp. Abs. 1981-2002/Dec
         (c) 2002 Info. Today Inc.
File 256:SoftBase:Reviews,Companies&Prods. 82-2002/Nov
         (c)2002 Info.Sources Inc
File 474:New York Times Abs 1969-2002/Dec 19
         (c) 2002 The New York Times
File 475:Wall Street Journal Abs 1973-2002/Dec 19
         (c) 2002 The New York Times
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
         (c) 2002 The Gale Group

Set     Items   Description
S1      11564   (SMART OR INTEGRATED()CIRCUIT OR CHIP OR PCMCIA OR IC OR E-
             APROM OR EEPROM OR ELECTRICALLY()(ALTERABLE OR ERASABLE)(2W)P-
             ROGRAMMABLE()READ()ONLY()MEMORY OR SUBSCRIBER()IDENTITY()MODU-
             LE OR SIM OR STORED()VALUE)()CARD? ?
S2      10611   MICROCONTROLLER? ? OR ISO()7816? OR SMARTCARD? ? OR MONDEX
             OR CHIPCARD? ?
S3    2662625   VERIF? OR TEST OR TESTS OR VALIDAT? OR DETERMIN? OR CHECK?-
             ?? OR CONFIRM? OR PROVE? ? OR PROVING OR AUTHENTICAT?
S4      33583   CRYPTOGRA? OR (ELECTRONIC OR DIGITAL)()(SEAL? ? OR SIGNATU-
             RE? ? OR CERTIFICAT??? OR ENVELOPE? ?) OR ENCRYPT??? OR CIPHE-
             R? ? OR CYPHER? ? OR (PUBLIC OR PRIVATE OR SYMMETRIC OR SYNCH-
             RONOUS)()KEY? ? OR HASH
S5      35339   APPLET? ? OR PORTABLE(3W)(CODE? ? OR APPLICATION? ?) OR DI-
             GITAL()CONTENT? ? OR SERVLET? ? OR MIDLET? ? OR JAVA?
S6    2171617   DOWNLOAD? ? OR UPGRADE? ? OR UPDATE? ? OR REPLACE? ? OR CH-
             ANGE? ? OR TRANSFER? OR DOWN()LOAD? ? OR UP()(GRADE? ? OR DAT-
             E? ?) OR RECEIVE? ?
S7     280260   PDA OR PERSONAL()((DATA OR DIGITAL)()ASSISTANT? ? OR DATA(-
             )ACCESS) OR PHONE? ? OR TELEPHONE? ? OR CELLPHONE? ? OR PORTA-
             BLE()INFORMATION()DEVICE? ? OR CELLULARPHONE? ? OR MOBILEPHON-
             E? ? OR HANDHELD? ? OR HAND()HELD? ?
S8      21067   HAND()HELD? ? OR PALMTOP? ? OR PALM()TOP? ? OR PID? ?
S9      20947   S1 OR S2
S10    290210   S7 OR S8
S11     32523   S3(3N)S6
S12       281   S4(10N)S5
S13         1   S11(S)S12
S14     50739   S3(5N)S6
S15       681   S4(S)S5
S16         9   S14(S)S15
S17    308745   S9 OR S10
S18       371   S11(S)S17
S19         1   S12(S)S18
S20         1   S12 AND S18
S21         1   S15(S)S18
S22         1   S15 AND S18
S23         1   S16 AND S17
S24         7   S16 NOT PY>1999
S25         7   S24 NOT PD=19990312:20030131
S26         5   RD (unique items)
```

26/3,K/1 (Item 1 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2002 Institution of Electrical Engineers. All rts. reserv.

6147293 INSPEC Abstract Number: C1999-03-6130S-009
Title: Byte code verification for Java smart cards based on model checking
Author(s): Posegga, J.; Vog, H.
Author Affiliation: Deutsche Telekom, Darmstadt, Germany
Conference Title: Computer Security - ESORICS 98. 5th European Symposium on Research in Computer Security. Proceedings p.175-90
Editor(s): Quisquater, J.-J.; Deswarte, Y.; Meadows, C.; Gollmann, D.
Publisher: Springer-Verlag, Berlin, Germany
Publication Date: 1998 Country of Publication: Germany x+375 pp.
ISBN: 3 540 65004 0 Material Identity Number: XX-1998-02642
Conference Title: Computer Security - ESORICS 98. 5th European Symposium on Research in Computer Security
Conference Date: 16-18 Sept. 1998 Conference Location: Louvain-la-Neuve, Belgium
Language: English
Subfile: C

Abstract: The paper presents a novel approach to **Java** byte code verification. The verification process is performed "offline" on a network server, instead of...
... The result of the verification process can be securely communicated to the runtime platform with **cryptographic** means. The major advantages of our approach are twofold: on the one hand, it offers...

... Secondly, it saves resources on the client's side, since the process of byte code **verification** can be **replaced** by a simple **check** of a **digital signature** . This paper concentrates on **Java** smart cards, where resource limitations inhibit fully-fledged byte code verification within the client, but...

... security is very high. However, our approach can also be applied to other variants of **Java** .

26/3,K/2 (Item 1 from file: 256)
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
(c)2002 Info.Sources Inc. All rts. reserv.

00110703 DOCUMENT TYPE: Review

PRODUCT NAMES: Ding! 2.0 (697681)

TITLE: Ding brings enterprise tools to communications platform
AUTHOR: Heck, Mike
SOURCE: InfoWorld, v20 n36 p54(1) Sep 7, 1998
ISSN: 0199-6649
HOMEPAGE: http://www.infoworld.com

RECORD TYPE: Review
REVIEW TYPE: Review
GRADE: B

REVISION DATE: 20000130

...messaging; and software developers' kit. However, text formatting is limited, because Ding was created with **Java** Development Kit 1.1. Testers worked with Ding's real-time messaging, chat, and file...

...A peer-to-peer architecture is a significant advantage for internal networks. When users have **received** **authentication** through the Ding

Switchboard or a public server, they can communicate directly, a method that is more secure and reliable than server-based communication. Authentication in this release supports public/ **private key** pairs and password **encryption** . Testers could create custom groups of communicators for special projects. Ding's support for external...

26/3,K/3 (Item 2 from file: 256)
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
(c)2002 Info.Sources Inc. All rts. reserv.

00107355 DOCUMENT TYPE: Review

PRODUCT NAMES: Starburst Multicast (626511); Castanet (631167); RemoteWare Express (676756); Incisa (655473); TIB/Rendezvous (678201)

TITLE: Push Plumbing
AUTHOR: Nance, Barry
SOURCE: Network Computing, v9 n4 p52(8) Mar 1, 1998
ISSN: 1046-4468
HOMEPAGE: http://www.NetworkComputing.com

RECORD TYPE: Review
REVIEW TYPE: Review
GRADE: A

REVISION DATE: 20020730

...Protocol and is excellent for distribution of programs and data. Castanet can distribute and update **Java** applications and components and other file types. It is as reliable as Multicast, but not...
...Express was much slower than multicast, but it has excellent remote site updating and automated **download** scheduling. Incisa **authenticated** and **encrypted** data transmissions using RSA's RC4 data stream **encryption** standard and never lost a bit during any test.

26/3,K/4 (Item 3 from file: 256)
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
(c)2002 Info.Sources Inc. All rts. reserv.

00102513 DOCUMENT TYPE: Review

PRODUCT NAMES: PIX Firewall (652091); Firebox (667595); Check Point Firewall-1 (531731); ONGuard (625728); Firewall/Plus (581739)

TITLE: Disarming the Net
AUTHOR: Erlanger, Leon
SOURCE: PC Magazine, v16 n11 pNE1(5) Jun 10, 1997
ISSN: 0888-8509
HOMEPAGE: http://www.pcmag.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20020630

...corporate information, disruption of network services, macro viruses from e-mail attachments, and badly behaved **Java** and ActiveX **applets** . Topics discussed include Internet connections; security policy; firewalls; authentication; **encryption** ; virtual private networks; and other threats. Internet connections cannot ever be totally secure, but the...

...secure firewalls that use application proxies, or programs written for

particular Internet services, including Hypertext **Transfer** Protocol (HTTP) and FTP. Firewalls **authenticate** using IP addresses assigned to servers, clients, and network devices that can be spoofed, so...

26/3,K/5 (Item 4 from file: 256)
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
(c)2002 Info.Sources Inc. All rts. reserv.

00096056 DOCUMENT TYPE: Review

PRODUCT NAMES: Microsoft ActiveX (603295); Microsoft Internet Explorer 3.0 (577375); Netscape Navigator 3.0 (530883); Java (573744)

TITLE: Web-browser battle brews over security
AUTHOR: Wolfe, Alexander
SOURCE: Electronic Engineering Times, v915 p1(2) Aug 19, 1996
ISSN: 0192-1541
HOMEPAGE: http://www.eet.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20010730

...Microsoft Internet Explorer 3.0 (IE3), Netscape Communications' Netscape Navigator 3.0, and Sun Microsystems' **Java** are part of a discussion of security issues facing developers of related products. IE3 and...
...that protect users as they click their way through World Wide Web links to use **Java applets** or ActiveX controls embedded in Web pages. Users are protected against crashing their machines or...

...However, various computing experts have found security glitches in both ActiveX's and Netscape's **Java** implementations. Microsoft says it has added AuthentiCode to IE3, which allows ActiveX controls to be tagged with a **digital signature** so users can be sure the software is safe to **download**. **Determining** which software is safe and which is not is the most critical concern, and this...

```
?show files;ds
File  15:ABI/Inform(R) 1971-2002/Dec 19
         (c) 2002 ProQuest Info&Learning
File  16:Gale Group PROMT(R) 1990-2002/Dec 19
         (c) 2002 The Gale Group
File 148:Gale Group Trade & Industry DB 1976-2002/Dec 18
         (c)2002 The Gale Group
File 160:Gale Group PROMT(R) 1972-1989
         (c) 1999 The Gale Group
File 275:Gale Group Computer DB(TM) 1983-2002/Dec 19
         (c) 2002 The Gale Group
File 621:Gale Group New Prod.Annou.(R) 1985-2002/Dec 18
         (c) 2002 The Gale Group

Set     Items   Description
S1      81497   (SMART OR INTEGRATED()CIRCUIT OR CHIP OR PCMCIA OR IC OR E-
             APROM OR EEPROM OR ELECTRICALLY()(ALTERABLE OR ERASABLE)(2W)P-
             ROGRAMMABLE()READ()ONLY()MEMORY OR SUBSCRIBER()IDENTITY()MODU-
             LE OR SIM OR STORED()VALUE)()CARD? ?
S2      50217   MICROCONTROLLER? ? OR ISO()7816? OR SMARTCARD? ? OR MONDEX
             OR CHIPCARD? ?
S3    4904482   VERIF? OR TEST OR TESTS OR VALIDAT? OR DETERMIN? OR CHECK?-
             ?? OR CONFIRM? OR PROVE? ? OR PROVING OR AUTHENTICAT?
S4     197937   CRYPTOGRA? OR (ELECTRONIC OR DIGITAL)()(SEAL? ? OR SIGNATU-
             RE? ? OR CERTIFICAT??? OR ENVELOPE? ?) OR ENCRYPT??? OR CIPHE-
             R? ? OR CYPHER? ? OR (PUBLIC OR PRIVATE OR SYMMETRIC OR SYNCH-
             RONOUS)()KEY? ? OR HASH
S5     289100   APPLET? ? OR PORTABLE(3W)(CODE? ? OR APPLICATION? ?) OR DI-
             GITAL()CONTENT? ? OR SERVLET? ? OR MIDLET? ? OR JAVA?
S6    8669868   DOWNLOAD? ? OR UPGRADE? ? OR UPDATE? ? OR REPLACE? ? OR CH-
             ANGE? ? OR TRANSFER? OR DOWN()LOAD? ? OR UP()(GRADE? ? OR DAT-
             E? ?) OR RECEIVE? ?
S7    2645357   PDA OR PERSONAL()((DATA OR DIGITAL)()ASSISTANT? ? OR DATA(-
             )ACCESS) OR PHONE? ? OR TELEPHONE? ? OR CELLPHONE? ? OR PORTA-
             BLE()INFORMATION()DEVICE? ? OR CELLULARPHONE? ? OR MOBILEPHON-
             E? ? OR HANDHELD? ? OR HAND()HELD? ?
S8     106453   HAND()HELD? ? OR PALMTOP? ? OR PALM()TOP? ? OR PID? ?
S9     123323   S1 OR S2
S10   2656145   S7 OR S8
S11    125355   S3(3N)S6
S12      3037   S4(10N)S5
S13        28   S11(S)S12
S14         3   S9(S)S13
S15         0   (S9 OR S10)(10N)S13
S16       872   S9(10N)(S11 OR S12)
S17        11   S9(10N)(S11 AND S12)
S18        14   S14 OR S17
S19         7   S18 NOT PY>1999
S20         7   S19 NOT PD=19990312:20030131
S21         4   RD (unique items)
```

21/3,K/1 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

06139455 Supplier Number: 53901701 (USE FORMAT 7 FOR FULLTEXT)
Javacard **can use** digital signatures .**(Schlumberger's Cyberflex Access** cryptography **-enabled** smartcard **platform)**
Electronics Times, p34(1)
Feb 15, 1999
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 130

Javacard **can use** digital signatures .**(Schlumberger's Cyberflex Access** cryptography **-enabled** smartcard **platform)**
... applications including unique ID tokens for securing virtual intranet transactions, custom network access security and **authenticated** monetary or information **transfer** .
The company will also be promoting a **smartcard** -based biometric security solution which it has developed with KeyWare Technologies.
The VoiceGuardian records and...

21/3,K/2 (Item 2 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

06009995 Supplier Number: 53410554 (USE FORMAT 7 FOR FULLTEXT)
Smart Cards: Leading Vendors Targeting Corporate Market.
American Banker, v163, n239, pNA
Dec 16, 1998
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 738

... American smart card company last week announced Cyberflex Access, an addition to its high-security **chip card** line. It includes **cryptographic** security methods and the ability to load **applets** -little **Java** programs-over telecommunications lines, using **digital signatures** to authorize and authenticate the **applets** .
Cyberflex Access is designed for corporate information security, where many vendors anticipate faster acceptance than...

21/3,K/3 (Item 3 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

05040057 Supplier Number: 47398893 (USE FORMAT 7 FOR FULLTEXT)
Schlumberger DANYL Selected to Provide "Smart" PennCard For University of Pennsylvania.
Business Wire, p05200166
May 20, 1997
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 692

... and is the leader in smart card technology, recently introducing Cyberflex(TM) the first-ever **smart card** to use the Java(TM) Card API from **JavaSoft** , and Cryptoflex(TM), the first **smart card** to support strong **public - key cryptography** .
Payflex, Cyberflex and Cryptoflex are trademarks of Schlumberger. **Java** is a trademark of Sun Microsystems, Inc.

CONTACT: For more information, or to schedule interviews...

21/3,K/4 (Item 4 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

04719693 Supplier Number: 46948884 (USE FORMAT 7 FOR FULLTEXT)
SUN'S JAVASOFT EXPANDS THE JAVA OPTIONS TO COMMERCE WITH NEW APPLICATION INTERFACES
Computergram International, n3057, pN/A
Dec 5, 1996
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 452

(USE FORMAT 7 FOR FULLTEXT)
TEXT:
...enhanced by stretching the Java "sandbox" - the area on a client machine within which a **Java applet** can play - enabling users to add **digital signatures** to **applets** so they can **authenticate** what they **download** . The dot release also includes the Java Archive Format for bundling applets for download; Java...

...Inc helped JavaSoft develop, and cassettes supporting the formers' CyberCoin small payments system, and the **Mondex smart card** system. The Commerce Toolkit will be available for early access developers in January, with pricing...

```
?show files;ds
File   9:Business & Industry(R) Jul/1994-2002/Dec 18
         (c) 2002 Resp. DB Svcs.
File  20:Dialog Global Reporter 1997-2002/Dec 19
         (c) 2002 The Dialog Corp.
File 610:Business Wire 1999-2002/Dec 19
         (c) 2002 Business Wire.
File 613:PR Newswire 1999-2002/Dec 19
         (c) 2002 PR Newswire Association Inc
File 624:McGraw-Hill Publications 1985-2002/Dec 18
         (c) 2002 McGraw-Hill Co. Inc
File 634:San Jose Mercury  Jun 1985-2002/Dec 18
         (c) 2002 San Jose Mercury News
File 636:Gale Group Newsletter DB(TM) 1987-2002/Dec 19
         (c) 2002 The Gale Group
File 810:Business Wire 1986-1999/Feb 28
         (c) 1999 Business Wire
File 813:PR Newswire 1987-1999/Apr 30
         (c) 1999 PR Newswire Association Inc

Set     Items   Description
S1      81232   (SMART OR INTEGRATED()CIRCUIT OR CHIP OR PCMCIA OR IC OR E-
             APROM OR EEPROM OR ELECTRICALLY()(ALTERABLE OR ERASABLE)(2W)P-
             ROGRAMMABLE()READ()ONLY()MEMORY OR SUBSCRIBER()IDENTITY()MODU-
             LE OR SIM OR STORED()VALUE)()CARD? ?
S2      32491   MICROCONTROLLER? ? OR ISO()7816? OR SMARTCARD? ? OR MONDEX
             OR CHIPCARD? ?
S3    5756761   VERIF? OR TEST OR TESTS OR VALIDAT? OR DETERMIN? OR CHECK?-
             ?? OR CONFIRM? OR PROVE? ? OR PROVING OR AUTHENTICAT?
S4     139516   CRYPTOGRA? OR (ELECTRONIC OR DIGITAL)()(SEAL? ? OR SIGNATU-
             RE? ? OR CERTIFICAT??? OR ENVELOPE? ?) OR ENCRYPT??? OR CIPHE-
             R? ? OR CYPHER? ? OR (PUBLIC OR PRIVATE OR SYMMETRIC OR SYNCH-
             RONOUS)()KEY? ? OR HASH
S5     227191   APPLET? ? OR PORTABLE(3W)(CODE? ? OR APPLICATION? ?) OR DI-
             GITAL()CONTENT? ? OR SERVLET? ? OR MIDLET? ? OR JAVA?
S6    9502190   DOWNLOAD? ? OR UPGRADE? ? OR UPDATE? ? OR REPLACE? ? OR CH-
             ANGE? ? OR TRANSFER? OR DOWN()LOAD? ? OR UP()(GRADE? ? OR DAT-
             E? ?) OR RECEIVE? ?
S7    2794535   PDA OR PERSONAL()((DATA OR DIGITAL)()ASSISTANT? ? OR DATA(-
             )ACCESS) OR PHONE? ? OR TELEPHONE? ? OR CELLPHONE? ? OR PORTA-
             BLE()INFORMATION()DEVICE? ? OR CELLULARPHONE? ? OR MOBILEPHON-
             E? ? OR HANDHELD? ? OR HAND()HELD? ?
S8      67362   HAND()HELD? ? OR PALMTOP? ? OR PALM()TOP? ? OR PID? ?
S9     104520   S1 OR S2
S10   2802278   S7 OR S8
S11     99611   S3(3N)S6
S12      1923   S4(10N)S5
S13         7   S11(S)S12
S14         1   S9(S)S13
S15   2869481   S9 OR S10
S16         2   S11(S)S12(S)S15
S17        11   S11 AND S12 AND S15
S18        16   S13 OR S17
S19         9   S18 NOT PY>1999
S20         8   S19 NOT PD=19990312:20030131
S21         7   RD (unique items)
```

21/3,K/1 **(Item 1 from file: 9)**
DIALOG(R)File 9:Business & Industry(R)
(c) 2002 Resp. DB Svcs. All rts. reserv.

01595328 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Battle of the Browsers
(Microsoft Corp introduces Internet Explorer 3.0, which will go head to head with Netscape's Navigator Gold 3.0)
Computer Reseller News, p 8
August 26, 1996
DOCUMENT TYPE: Journal ISSN: 0893-8377 (United States)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 924

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:
...format

Java Support	JIT Java Compiler and JavaScript	JIT Java Compiler, JavaScript and in-line **Java** Script evaluation
Content Control	Content Ratings and Control	None
Content **Authentication**	**Digital signatures** for **downloads**	None
Navigation Control	Customized address and link buttons bar, tabbing through...	Customized address bar, one-keystroke

21/3,K/2 **(Item 1 from file: 20)**
DIALOG(R)File 20:Dialog Global Reporter
(c) 2002 The Dialog Corp. All rts. reserv.

04375381 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Javacard **can use** digital signatures
ELECTRONICS TIMES, pPage 34
February 15, 1999
JOURNAL CODE: FETS LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 128

(USE FORMAT 7 OR 9 FOR FULLTEXT)
Javacard **can use** digital signatures

Schlumberger will, for the first time in Europe, demonstrate a **cryptography** -enabled **Javacard** which allows any transaction - including the remote loading of applications - to be authenticated using digital signatures.

Called Cyberflex Access, the **smartcard** platform provides the means for developers to implement many portable applications including unique ID tokens for securing virtual intranet transactions, custom network access security and **authenticated** monetary or information **transfer** .

The company will also be promoting a **smartcard** -based biometric security solution which it has developed with KeyWare Technologies.

The VoiceGuardian records and stores an individual's vocal characteristics on a **smartcard** , and access is allowed or denied using the bioprint on the card.Schlumberger will also...

... conventional magnetic stripe card transactions and have a large memory array.

Schlumberger www.slb.com/ **smartcards**

21/3,K/3 **(Item 1 from file: 636)**

DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2002 The Gale Group. All rts. reserv.

03897174 Supplier Number: 50061612 (USE FORMAT 7 FOR FULLTEXT)
IBM GETS MORE SERIOUS ABOUT OUTSOURCING
Computergram International, n3428, pN/A
June 10, 1998
Language: English Record Type: Fulltext
Article Type: Article
Document Type: Newswire; Trade
Word Count: 476

(USE FORMAT 7 FOR FULLTEXT)
TEXT:
...and WAN problem identification and resolution. Performance management and capacity planning services allows users to **test** the impact of **change** on their IT systems, networks and applications. Jousset said this latter product was typically aimed...

...a web site over which a company can conduct secure transactions, IBM Vault registry: a **digital certificate** software tool and new, web/ **Java** -enabled versions of its customer service and call-center solutions.

21/3,K/4 (Item 2 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2002 The Gale Group. All rts. reserv.

03378259 Supplier Number: 46948884 (USE FORMAT 7 FOR FULLTEXT)
SUN'S JAVASOFT EXPANDS THE JAVA OPTIONS TO COMMERCE WITH NEW APPLICATION INTERFACES
Computergram International, n3057, pN/A
Dec 5, 1996
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 452

(USE FORMAT 7 FOR FULLTEXT)
TEXT:
...enhanced by stretching the Java "sandbox" - the area on a client machine within which a **Java applet** can play - enabling users to add **digital signatures** to **applets** so they can **authenticate** what they **download** . The dot release also includes the Java Archive Format for bundling applets for download; Java...

...Inc helped JavaSoft develop, and cassettes supporting the formers' CyberCoin small payments system, and the **Mondex smart card** system. The Commerce Toolkit will be available for early access developers in January, with pricing...

21/3,K/5 (Item 1 from file: 810)
DIALOG(R)File 810:Business Wire
(c) 1999 Business Wire . All rts. reserv.

0717761 BW0193

Business Wire Recap

June 25, 1997

Byline: Editors

...at Boston Macworld Expo (BW1533 18:25)
(CQN-SPEEDFAM-INTL)(SFAM) --SpeedFam International corrects

contact **phone** and fax numbers (BW0159 18:27)
(S&P) NEW YORK--San Mateo Union High Sch...service & support program (BW0004 06:32)
(WINSTAR/SAN-DIEGO)(WCII) NEW YORK--WinStar - "The New **Phone** Company" - launches switch in San Diego (BW1016 06:47)
(CYTEL)(CYTL) San Diego, CA, and...

...BALTIMORE-TECH/RSA) REDWOOD CITY, Calif. and DUBLIN, Ir--
RSA licenses Baltimore Technologies J/CRYPTO **Java** class library for use in JSAFE **encryption** toolkit (BW1048 08:01)
(NETBOT) SEATTLE--Jango honored with two industry awards; Jango, the first...Girls Clubs of Metro Atlanta (BW1067 08:06)
(HEMAGEN)(HMGN) WALTHAM, Mass.--HMGNW)(HGN) Hemagen **receives** FDA clearance for **test** for primary biliary cirrhosis (BW1068 08:06)
(WAVE-SYSTEMS)(WAVX) LEE, Mass.--Wave Systems creates...09:26)
(TRANSCO-RESEARCH)(TRSD) NEW YORK--Transco projects revenues of $12 million; cuts LD **phone** card rate to 9 cents per minute (BW1122 09:27)
(TJX-COMPANIES)(TJX) FRAMINGHAM, Mass...

21/3,K/6 (Item 2 from file: 810)
DIALOG(R)File 810:Business Wire

0704947 BW0166

SCHLUMBERGER PENNCARD: Schlumberger DANYL Selected to Provide "Smart" PennCard For University of Pennsylvania

May 20, 1997

Byline: Business/Technology Editors

...SecurTech, ORLANDO--(BUSINESS WIRE)--May 20, 1997--
University commitment reinforces campus card market shift to **smart cards** .
Schlumberger Electronic Transactions today announced its selection as provider of **smart cards** and systems for University of Pennsylvania (Penn).
PennCards will enable students, faculty and staff to...

...campus.
The PennCard will also be used to access ATMs on campus as well as **transfer** funds directly from **checking** accounts to the PennCard.
"In our research to identify technology partners for our campus card...

...addition to their experience in the higher education market, Schlumberger is a recognized leader in **smart card** systems, and along with Diebold was able to provide a complete technology solution."
Already enjoying...

...for
the Penn program.
The new Schlumberger system uses a true, chip-based multi-application **smart card** format, including two stored value purses, frequency marketing, card-based PIN, user identification and departmental...

...that allows for new applications in the future.
"The college campus market is headed toward **smart cards** . The decision by Penn to step into **smart card** technology is significant because it reinforces the growing trend among the academic communities to use **smart cards** ," said Michael H. Smith, General

Manager of Schlumberger DANYL. "I applaud the vision and leadership...

...500 active
installations. Schlumberger DANYL is currently involved with the implementation of eight campus-wide **smart card** systems in North America, and has shipped over 140,000 **smart cards** and more than 1,000 **smart card** readers to this market. Offering solutions for customers in the areas of laundry, vending and...

...of cards, terminals, development tools
and management systems across the entire range of magnetic and **smart card** applications. The company offers its customers The Smart Village(R), a flexible portfolio of **smart card** -based solutions for businesses and communities of all sizes, including the telecom, banking, retail, mass transit & parking, and healthcare sectors.

Schlumberger is a pioneer and is the leader in **smart card** technology, recently introducing Cyberflex(TM) the first-ever **smart card** to use the Java(TM) Card API from **JavaSoft** , and Cryptoflex(TM), the first **smart card** to support strong **public - key cryptography** . Payflex, Cyberflex and Cryptoflex are trademarks of Schlumberger. **Java** is a trademark of Sun Microsystems, Inc.

CONTACT: For more information, or to schedule interviews...

21/3,K/7 (Item 3 from file: 810)
DIALOG(R)File 810:Business Wire
(c) 1999 Business Wire . All rts. reserv.

0684482 BW1187

INTERLEAF: Interleaf serves Java enabled BusinessWeb

March 25, 1997

Byline: Business/Technology Editors

...WorldView repositories. This facilitates
implementation of document applications that demand intranet/extranet Web server level **authentication** and **encrypted** data **transfers** .

The new Intellecte/BusinessWeb **Java applets** provide a virtual Web interface to support corporate repository search, retrieval, and viewing. Java applets...

```
?show files;ds
File 256:SoftBase:Reviews,Companies&Prods. 82-2002/Nov
         (c)2002 Info.Sources Inc

Set     Items   Description
S1        344   (SMART OR INTEGRATED()CIRCUIT OR CHIP OR PCMCIA OR IC OR E-
                APROM OR EEPROM OR ELECTRICALLY()(ALTERABLE OR ERASABLE)(2W)P-
                ROGRAMMABLE()READ()ONLY()MEMORY OR SUBSCRIBER()IDENTITY()MODU-
                LE OR SIM OR STORED()VALUE)()CARD? ?
S2        101   MICROCONTROLLER? ? OR ISO()7816? OR SMARTCARD? ? OR MONDEX
                OR CHIPCARD? ?
S3      15743   VERIF? OR TEST OR TESTS OR VALIDAT? OR DETERMIN? OR CHECK?-
                ?? OR CONFIRM? OR PROVE? ? OR PROVING OR AUTHENTICAT?
S4       3000   CRYPTOGRA? OR (ELECTRONIC OR DIGITAL)()(SEAL? ? OR SIGNATU-
                RE? ? OR CERTIFICAT??? OR ENVELOPE? ?) OR ENCRYPT??? OR CIPHE-
                R? ? OR CYPHER? ? OR (PUBLIC OR PRIVATE OR SYMMETRIC OR SYNCH-
                RONOUS)()KEY? ? OR HASH
S5       6772   APPLET? ? OR PORTABLE(3W)(CODE? ? OR APPLICATION? ?) OR DI-
                GITAL()CONTENT? ? OR SERVLET? ? OR MIDLET? ? OR JAVA?
S6      26342   DOWNLOAD? ? OR UPGRADE? ? OR UPDATE? ? OR REPLACE? ? OR CH-
                ANGE? ? OR TRANSFER? OR DOWN()LOAD? ? OR UP()(GRADE? ? OR DAT-
                E? ?) OR RECEIVE? ?
S7       6715   PDA OR PERSONAL()((DATA OR DIGITAL)()ASSISTANT? ? OR DATA(-
                )ACCESS) OR PHONE? ? OR TELEPHONE? ? OR CELLPHONE? ? OR PORTA-
                BLE()INFORMATION()DEVICE? ? OR CELLULARPHONE? ? OR MOBILEPHON-
                E? ? OR HANDHELD? ? OR HAND()HELD? ?
S8       1386   HAND()HELD? ? OR PALMTOP? ? OR PALM()TOP? ? OR PID? ?
S9        423   S1 OR S2
S10      6756   S7 OR S8
S11       404   S3(3N)S6
S12      5064   S3 AND S6
S13       274   S4 AND S5
S14        54   S12(S)S13
S15         6   S9 AND S14
S16         4   S15 NOT PY>1999
S17         4   S16 NOT PD=19990312:20030131
```

17/5/1
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

01770809 DOCUMENT TYPE: Product

PRODUCT NAME: DSQ: Digital Signature Quercia (770809)

Quercia Software SpA (656917)
Via Monte Bianco #18 37129
Verona, Italy
TELEPHONE: ( ) 045-8066404

RECORD TYPE: Directory

CONTACT: Sales Department

DQS: **Digital Signature** Quercia integrates with Quercia's TLQ line of products, TLQ for Windows, TLQ **Java** , IQ for CICS, and IQ for NT, and can be potentially integrated with other remote banking applications. The **digital signature** accompanies the file and guarantees that is has been signed by the sender and has not been altered in anyway afterwards; only the sender and the consignee can read the content of the **encrypted** file. Furthermore, the sender cannot deny being the author of the file since it is the certification authority who guarantees the association between the **digital signature** and the subject though the issuing of a special certificate. With DQS: **Digital Signature** Quercia it is possible to simply and transparently interface remote banking applications with the security software already adopted by the banking institutions for the management of **digital signatures** . DQS offers a variety of services relating to the **digital signature** , thus playing an important role in all areas that ask for **authentication** of the user and the integrity of the data. DQS: **Digital Signature** Quercia is not to designed to provide new **encrypted** algorithms or new standards of implementation of those already in use, but it allows a quick integration of more sophisticated security systems such as libraries, **encrypted** forms, and **smart cards** . With DQS: **Digital Signature** Quercia it is possible to do the following: produce and file pairs of symmetrical keys; produce the most widespread standard certificates from the generation request; **verify** and file certificates generated from the certification authority; sign and **encrypt** documents transmitted and **received** through the network or in magnetic form; and **check** and decrypt signed documents.

DESCRIPTORS: E-Banking; Personal Finance; E-Commerce; File Security; Handwriting Recognition; EFT (Electronic Funds Transfer)

HARDWARE: IBM PC & Compatibles; 80486; Pentium
OPERATING SYSTEM: Windows; Windows NT/2000
PROGRAM LANGUAGES: C++
TYPE OF PRODUCT: Micro
POTENTIAL USERS: Bank Customers who Use Remote Banking Software
DATE OF RELEASE: 01/1998
PRICE: Available upon request

OTHER REQUIREMENTS: 16MB RAM; 80486+ CPU; Win 9x+ required
REVISION DATE: 991221

17/5/2
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00115465 DOCUMENT TYPE: Review

PRODUCT NAMES: Microsoft SmartCards **Windows (725994**

TITLE: **New Windows** smart card **OS may strengthen, streamline market**
AUTHOR: Tipton, Anne
SOURCE: Automatic ID News, v15 n1 p32(2) Jan 1999
ISSN: 0890-9760
HOMEPAGE: http://www.AutoIDNews.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

Microsoft's entry into the **smart card** operating system market may mean significant **changes** to the market. **Smart Card** for Windows will join **Java** Card and MultOS as the front-runners in the industry. Although at first Microsoft will be the challenger, the company will enjoy a significant advantage over both other products due to its channel strength. It is possible that Microsoft may even come to dominate the market by combining short- and long-term support and investment. It can leverage their existing independent software vendor partners, which will become Windows Card solution providers, and tightly integrate the product with other company architectures. At the same time, Microsoft can also spend a substantial amount of money perfecting the OS. It is also likely to provide a boost for e-commerce, one of the biggest trends in the **smart card** field. The widespread availability of **smart cards** , along with **digital certificates** and **cryptographic** keys, will provide the security required by e-commerce applications. Microsoft's goal is to first see its **smart cards** used in corporate offices, to provide a more robust method of **authentication** for log-on access to corporate networks.

COMPANY NAME: Microsoft Corp (112127)
DESCRIPTORS: Computer Security; Operating Systems; **Smart Cards** ; Software Marketing; Windows
REVISION DATE: 19990530

17/5/3
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00112062 DOCUMENT TYPE: Review

PRODUCT NAMES: **Cyber-SIGN Enterprise (717045)**

TITLE: **CyberSign pens signature tech**
AUTHOR: Johnston, Margaret
SOURCE: Federal Computer Week, v12 n30 p62(2) Aug 31, 1998
ISSN: 0893-052X
HOMEPAGE: http://www.fcw.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

Cyber Sign has developed a biometric signature product for the U.S. Postal Service. The technology will speed up bulk mail delivery by making it possible for the USPS to **authenticate** and **validate** orders from mailers who sign their names on a digital pad, and send the captured data over a network. Signatures have an advantage over other biometric identification methods, because they are already accepted as a method of making a document legally binding. The CyberSign technology measures the pressure applied to a signature, and the duration of the signing process. The data is converted into algorithms, and combined with measurements to reveal the individual characteristics of a person's signature. The system takes the dynamic nature of a signature and creates data out of it. A template is created after a user signs his or her name three times. The template is then stored

on a file server for easy access. The prototype is being designed in **Java** , and security is added by wrapping the signature data in **encryption** code before it is transmitted over the network. Biometric signatures can **replace** passwords and personal identification numbers, which can be forgotten or stolen, and it can also eliminate the need for **smart cards** , which can be lost or stolen.

COMPANY NAME: Cyber-SIGN Inc (650935)
SPECIAL FEATURE: Screen Layouts
DESCRIPTORS: Biometrics; Freight Handling; Government; Handwriting Recognition; Security
REVISION DATE: 20020630

17/5/4
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00102653 DOCUMENT TYPE: Review

PRODUCT NAMES: SET (836281)

TITLE: Resellers Get Set For SET
AUTHOR: Piven, Joshua
SOURCE: Computer Technology Review, p28(3) Spring 1997
ISSN: 0287-9647
HOMEPAGE: http://www.westworldproductions.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

Visa/MasterCard International's Secure Electronic Transaction (SET) specification will soon make digital commerce a reasonable and secure method in which the general public can have confidence. SET is a critical part of the digital commerce picture, and many companies have contributed to its development and will adopt it. SET will support many types of devices and technologies, including PCs, network computers, servers, **smart cards** , card readers, solid state memory, browsers, **encryption** , **authentication** , **Java** , and others. SET also makes a start toward resolving privacy and confidentiality issues on the Internet. Jupiter Communications says that **smart cards** , e-cash, and e- **checks** will be used to pay for about half of the $7.3 billion in online commerce forecast for the year 2000. SET is an open standard that protects payment card purchases on any type of network, including, but not only, the Internet. SET uses **public key cryptography** from RSA Data Security to protect the privacy of individuals' information and financial data over any open network. The SET software is stored on the cardholder's PC and in the merchant's network server. The technology at the merchant's bank's location has to decrypt the financial data, as must the certificate authority's location, where **digital certificates** are issues. Software vendors will incorporate SET into extant browsers and merchant servers as soon as possible.

COMPANY NAME: Vendor Independent (999999)
DESCRIPTORS: Communications Standards; Computer Security; EFT (Electronic Funds Transfer); Encryption; Internet Marketing; Internet Security
REVISION DATE: 20010330